Ryan Abeysinghe

ryanabeysinghe75@gmail.com • (301) 873-8012 • Gaithersburg, MD | github.com/ryanabeysinghe • /in/ryan-abeysinghe

EDUCATION

University of Maryland – **College Park, MD** **Expected Completion: December 2023**
Bachelor of Science in **Computer Science**, Minor in **Global Engineering Leadership** ***Cumulative GPA:* 3.62**

Relevant Coursework: Object-Oriented Programming, Introduction to Computer Systems & Data Science, Algorithms, Web Application Development with JavaScript, Data Structures, Programming Handheld Systems, Computer Vision

Awards/Scholarships: Dean's List, Clifford & Camille Kendall CMNS Scholarship, CMNS Undergraduate Scholarship

SKILLS

Programming Languages: Java, JavaScript, HTML, CSS, TypeScript, Python, Swift

Frameworks: React.js, Next.js, Express.js

Applications/Others: Git, Node.js, Maven, APIs, MongoDB, Firebase, Apache, Docker

EXPERIENCE

Junior Software Developer Intern May 2022 – August 2022
FINRA (Financial Industry Regulatory Authority) *Rockville, MD*

- Collaborated with FINRA CAT's (consolidated audit trail) cutting-edge technical team, enhanced and maintained application code through requirement reviews, test cases, and utilizing **AWS** services, **Java**, **SQL**, and **Python** programming languages
- Architected and integrated a scalable STRESS testing infrastructure for FINRA CAT's application, utilizing **AWS** cloud-based resources to support high-volume integration and penetration testing; increased test coverage by 3%
- Facilitated seamless integration and maintenance of code/scripts within CAT's team repository, leveraging **Jenkins** pipelines for efficient continuous integration/delivery (**CI/CD**), enabling streamlined code deployment to production environments

Help Desk Analyst July 2021 – May 2022
WESTAT *Rockville, MD*

- Primary focus on PC/Laptop support, which includes new system preparation, system re-imaging, problem troubleshooting, repair, and shipping logistics
- Established secure Wi-Fi, LAN, and VPN networks at remote locations, leading client/server configuration of crucial infrastructure to ensure seamless business operations
- Identified system hardware, network infrastructure, and connectivity issues that prevented execution of user-initiated tasks

PROJECTS

TerpExchange iOS App March 2023 – Present
University of Maryland *College Park, MD*

- Developed iOS app in **Swift**, enabling students to buy and sell products seamlessly within the UMD campus community
- Integrated **Cloud Firestore** as the backend data storage solution to securely store items listings, user reviews, and information
- Designed real-time, responsive user interface (**UI**) capable of dynamically presenting actively posted student items
- Leveraged Google **Firebase** Authentication to establish a robust student-affiliated authentication system among UMD students, mitigating scam risks and ensuring secure access

R & S Constructions Website – **GitHub** July 2022 – Present
R & S Constructions LLC *Gaithersburg, MD*

- Developed fully responsive website using **JavaScript**, **HTML**, and **CSS** utilizing **React JavaScript Framework** to elevate user experience (UX) for general contracting purposes
- Executed **SEO** best practices to optimize company's web traffic by establishing sitemap, meta tags, robots.txt, images, internal links, semantic **HTML**, titles/headings, optimized keywords
- Established Domain, Domain Nameservers, SSL certificate, Cloudflare CDN, and DNS Zone editor config utilizing Hostinger

COVID-19 Data Science App – **GitHub** Fall 2021
College Park, MD

- Co-developed tutorial leveraging **Python**, **HTML**, and **Markdown** within a **Jupyter Notebook** to assess the impact of maintaining a healthier diet on individuals' ability to combat COVID-19
- Leveraged **Python** regression analysis, null-hypothesis testing, and exploratory data analysis techniques to investigate the relationship between individual health factors and COVID-19 mortality rates, scrutinizing and validating popular assumptions